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Integrated View rhe Delphion

Other Views: INPADOC

JP2184061A2: TEMPERATURE DETECTING STRUCTURE OF INTEGRATED CIRCUIT PACKAGE Title:

JP Japan Country:

Kind:

UMEZAWA KAZUHIKO Inventor(s):

NEC CORP

oplicant/Assignee

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July 18, 1990 / Jan. 11, 1989 ssued/Filed Dates:

JP1989000005128 Application Number: H01L 23/58; H05K 7/20; IPC Class: Jan. 11, 1989 JP1989000005128 Priority Number(s):

Abstract:

at all by accommodating a temperature sensor in a case having the and a cooling device 12 is filled with heat conductive compound 17 low path 15. At this time, the temperature at the facing surfaces of detecting the temperature of the surface of a cooling device, which Constitution: A case 5 of a temperature detector 2 is designed so Heat which is generated in the integrated circuit 1 is transferred to without awareness of connection of a detected temperature signal element 1. A minute gap between the upper surface of the case 5 is attached to cool the integrated circuit element so as to face the and discharged into liquid refrigerant flowing through a refrigerant he cooling device 12 through the heat conductive compound 17 hat the case 5 has the same part height as an integrated circuit Purpose: To attach and remove an integrated circuit package same part height as another integrated circuit element, and upper surface of the element, with the temperature sensor.

mage

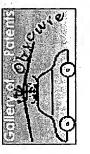
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the cooling device 12 and the integrated circuit element 1 has a certain constant temperature difference with respect to the temperature of the P-N junction in the integrated circuit element 1. Therefore, the temperature of the P-N junction of the integrated circuit element 1 can be computed by computation or experiment. COPYRIGHT: (C)1990, JPO&Japio

Family: Show known family members

Other Abstract Info: DERABS G90-084869

Foreign References: No patents reference this one



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